

# How to Use Github: A (Very) Basic Workflow

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## 1 The Challenge

I'm using Github to do version control and manage development of an R package. I'm just getting started. I would greatly appreciate comments and suggestions on how to flesh out or improve some of the details here. What have you found works?

## 2 A Workflow Sketch

1. If the repository exists, check it out.
2. If no devel branch exists, create one.
3. Make changes to the devel branch. Commit and sync often.
4. When a file on the devel branch is ready to be integrated into the master branch, open Terminal.
  - a) `cd` into the master branch
  - b) `> git checkout devel filename.R`
  - c) Commit and sync.
5. When an entire directory on the devel branch is ready to be integrated into the master branch, open Terminal.
  - a) `cd` into the master branch
  - b) `> git checkout devel dirname/`
  - c) Commit and sync.

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### **3 How to Undo All Local Changes to a File**

In Github for Mac,

1. Click the Changes tab
2. Select the file
3. In the Repository menu bar item, select “Discard Changes to Selected Files ...”
4. You’ll be prompted to confirm the discard

Hope this helps!